

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

- 5 1 (currently amended): A method of communicating data comprising:
 providing a first peer and a second peer;
 successively transmitting a first predetermined number of more than one
 identical ~~instances~~ copies of a data block with a first transmitter of the first
 peer;
10 receiving at least two of the first predetermined number of identical ~~instances~~
 copies of the data block with a second receiver of the second peer; and
 combining more than one corrupted received data blocks to form a complete
 ~~instance~~ copy of the data block at the second peer.
- 15 2 (currently amended): The method of claim 1 wherein combining more than one
 corrupted received data blocks to form a complete ~~instance~~ copy of the data block at
 the second peer further comprises:
 transmitting a response to the complete ~~instance~~ copy of the data block with a
 second transmitter of the second peer.
- 20 3 (currently amended): The method of claim 2 further comprising:
 successively transmitting a second predetermined number of more than one
 identical ~~instances~~ copies of the response with the second transmitter of
 the second peer.
- 25 4 (original): The method of claim 3 wherein the second predetermined number is an
 odd number.
- 30 5 (currently amended): The method of claim 1 wherein successively transmitting a
 first predetermined number of more than one identical ~~instances~~ copies of a data

block with a first transmitter of the first peer further comprises:

correctly receiving an expected response of the data block with a first receiver of
the first peer; and
disabling the successive transmission of the data block of the first transmitter of
the first peer.

5

6 (original): The method of claim 5 wherein the expected response is a positive
acknowledgment of the data block.

10 7 (original): The method of claim 5 wherein the expected response is in a group of
possible responding messages of the data block.

8 (original): The method of claim 1 wherein said successive transmitting and said
receiving are performed over a dedicated channel shared only by the first and second
peers.

15

9 (original): The method of claim 1 wherein combining more than one corrupted
received data blocks comprises taking a rounded arithmetic average for each bit of
these received data blocks.

20

10 (original): The method of claim 1 wherein the number of combined corrupted
received data blocks is an odd number.

11 (previously presented): The method of claim 10 wherein combining more than one
corrupted received data blocks comprises performing a majority vote for each bit
among these received data blocks, wherein the majority vote means that the
combining result of a bit is equal to the value of the bit that happens more frequently
than other values of the bit in the corrupted received data blocks.

25

30 12 (original): The method of claim 1 wherein the first predetermined number is an odd

number.

13 (currently amended): A transmitting peer of a communications system comprising:

- 5 a first antenna coupled to a second antenna of a receiving peer via a transmission medium;
- a first transmitter electrically connected to the first antenna for transmitting data blocks;
- a first receiver electrically connected to the first antenna for receiving a response from the receiving peer;
- 10 a first processor electrically connected to the first transmitter for controlling the first transmitter to successively transmit a first predetermined number of more than one identical ~~instances~~ copies of a data block via the first antenna; and
- a first power supply electrically connected to the first transmitter and the first processor.
- 15

wherein the first processor is capable of detecting an expected response of the data block at the first receiver, and accordingly disabling the successive transmission of identical ~~instances~~ copies of the data block at the first transmitter.

- 20 14 (original): The transmitting peer of claim 13 wherein the first antenna comprises two sets of antenna units, one electrically connected to the first transmitter and the other electrically connected to the first receiver.

- 25 15 (original): The transmitting peer of claim 13 wherein the expected response is a positive acknowledgment of the data block.

16 (original): The transmitting peer of claim 13 wherein the expected response is in a group of possible responding messages of the data block.

- 30 17 (original): The transmitting peer of claim 13 wherein the transmission medium is a

dedicated channel of electromagnetic waves.

18 (original): The transmitting peer of claim 13 wherein the first predetermined number is an odd number.

5

19 (currently amended): A receiving peer of a communications system comprising:

a second antenna coupled to a first antenna of a transmitting peer via a transmission medium;

10 a second receiver electrically connected to the second antenna for receiving data blocks;

a second processor electrically connected to the second receiver for combining more than one data blocks received successively to form a complete ~~instance~~ copy of the data block; and

15 a second power supply electrically connected to the second receiver and the second processor; and

a second transmitter for transmitting a response to the transmitting peer when the second processor forms a complete ~~instance~~ copy of the data block.

20 20 (original): The receiving peer of claim 19 wherein the transmission medium is a dedicated channel of electromagnetic waves.

21 (original): The receiving peer of claim 19 wherein the second processor is capable of taking a rounded arithmetic average for each bit of received data blocks when combining more than one corrupted received data blocks.

25

22 (original): The receiving peer of claim 19 wherein the number of combined corrupted received data blocks is an odd number.

23 (previously presented): The receiving peer of claim 22 wherein the second
30 processor is capable of performing a majority vote for each bit among the received

data blocks when combining more than one corrupted received data blocks, wherein the majority vote means that the combining result of a bit is equal to the value of the bit that happens more frequently than other values of the bit in the corrupted received data blocks.

5

24 (cancelled)

25 (currently amended): The receiving peer of claim 19 wherein the second transmitter is capable of successively transmitting a second predetermined number of
10 more than one identical ~~instances~~ copies of the response.

26 (original): The receiving peer of claim 25 wherein the second predetermined number is an odd number.